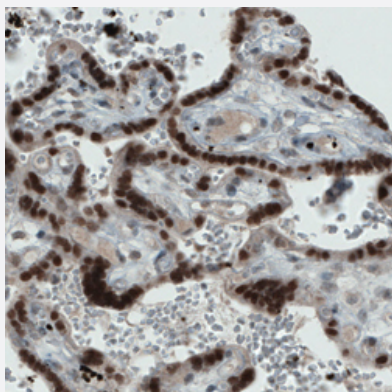


ATF3 monoclonal antibody, clone CL1685

Catalog # MAB15720 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with ATF3 monoclonal antibody, clone CL1685 (Cat # MAB15720) shows strong nuclear immunoreactivity in the trophoblast.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ATF3.
Immunogen	Recombinant protein corresponding to human ATF3.
Epitope	This antibody binds to an epitope located within the peptide sequence ASAMPCLSPPGSLV as determined by overlapping synthetic peptides.
Sequence	MMLQHPGQVSASEVSASAMPCLSPPGSLVFEDFANLTPFVKEELRFAIQNKHLCHRMSSALES VTVSDRPLGVSITKA EVAPEEDERKKRRRRERNKIAAAKCRNKKKEKTEC
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — ATF3

Entrez GeneID	467
Protein Accession#	P18847
Gene Name	ATF3
Gene Alias	-
Gene Description	activating transcription factor 3
Omim ID	603148
Gene Ontology	Hyperlink

Gene Summary	Activating transcription factor 3 is a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. Multiple transcript variants encoding two different isoforms have been found for this gene. The longer isoform represses rather than activates transcription from promoters with ATF binding elements. The shorter isoform (deltaZip2) lacks the leucine zipper protein-dimerization motif and does not bind to DNA, and it stimulates transcription presumably by sequestering inhibitory co-factors away from the promoter. It is possible that alternative splicing of the ATF3 gene may be physiologically important in the regulation of target genes. [provided by RefSeq]
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Other Designations	ATF3deltaZip2 ATF3deltaZip2c ATF3deltaZip3 OTTHUMP00000034887 OTTHUMP00000034890
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Disease

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